

MULTICAST WIRELESS AD HOC PACKET ROUTING

ABSTRACT

A wireless LAN communications system capable of supporting communications within a multidisciplinary group or team of individuals, comprising a plurality of LAN radios that transmit, receive and route messages. Radios that are within range of each other send messages directly to each other. Radios that are within two hops of each other extract route information from the specific roles within the group and periodic update messages sent by the LAN radios. Radios that are more than two hops from each other use modified ad hoc multicast routing protocols.